

## STATEMENT OF QUALIFICATIONS

**Name of Lab:** Scientific Crime Detection Laboratory  
5500 E. Tudor Road  
Anchorage, AK 99507

**Date:** May 20, 2009

**Name:** Jessica R. Hogan (Cohen)

**Job Title:** Forensic Scientist III

**Discipline(s):** Indicate all areas in which you do casework.

Forensic DNA Analysis  
Crime Scene Investigation

**Education:** List all higher academic institutions attended.

Institution	Dates attended	Major	Degree completed
University of California, Santa Cruz	9/93-6/97	Molecular Biology	Bachelor of Arts

**Other Training:** List continuing education, workshops, in-service and other formal training received.

### DNA Training

October 2008	<u>Bloodstain Pattern Interpretation for DNA Analysts</u> , Midwestern Association of Forensic Scientists Annual Meeting (MAFS), (8 hours). <u>Mixture Evaluation</u> , MAFS, (4 hours).
December 2007	<u>The Use of Expert Systems for Single-Source Samples</u> , Marshall University, WV (15 hours).
July 2007	<u>Leica LMD Laser Microdissection training</u> , Andrew Lee, SCDL, AK (7.5 hours).
November 2006	<u>DNA Statistics</u> , Greg LaBerge, SWAFS/NWAFS Training Conference, Colorado Springs, Denver.
September 2005	<u>Quality Assurance and Bioinformatics</u> , Richard Guerrieri, On-line semester class, University Central Florida.
August 2005	<u>Statistical Analysis of Forensic DNA Evidence</u> , SCDL, George Carmody and Ray Wickenheiser Anchorage, AK (30 hours).
March 2005	Visiting scientist National Center for Forensic Science, <u>Y-STR Analysis collaboration</u> , Dr. Ballantyne's lab (55 hours).
January 2004	<u>Advanced Topics in Biology: Biostatistics</u> , Anthony Yeo, University of Alaska Anchorage (Semester).
March 2004	<u>Quantitative PCR Seminar</u> , In-house training by Stratagene, SCDL, AK (4 hours).
December 2003	<u>Quantitative Methods Using RT-PCR</u> , On-line Seminar by Stratagene, SCDL, AK (1.5 hours).
December 2003	<u>CODIS Talk: NDIS DNA Data Acceptance Standards</u> , Chris Beheim, SCDL, AK (1.5 hours).
August 2003	<u>Statistical Genetics for Forensic Scientists</u> , Bruce Weir, On-line semester class, University of Central Florida.
August 2002	<u>Forensic DNA Analysis of Biological Materials</u> , Jack Ballantyne, On-line semester class, University of Central Florida.
March 2002	<u>Population Genetics and Statistics</u> , Abirami Chidambaram, SCDL, AK (2 hours).
September 2001	<u>Promega STR Educational Forum</u> , Promega, South Bend, Indiana.
August 2001	<u>Analysis of STR's by Capillary Electrophoresis School</u> , FBI, FBI Academy, Quantico, Virginia (1 week).
April 1999	<u>STR Workshop</u> , FBI DNA Unit I and Armed Forces DNA Identification Laboratory, Alaska Peace Officers Association/Northwest Association of Forensic Scientists, 1999 Crime Conference, Anchorage, Alaska.

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**DNA Training**

April 1999                      Statistics and Population Genetics, University of Alaska-Fairbanks, Alaska Peace Officers Association/Northwest Association of Forensic Scientists, 1999 Crime Conference, Anchorage, Alaska. (1 college credit)

**Crime Scene**

September 2008              Practical Homicide Investigation, Vernon J. Geberth, Anchorage, AK (24 hours).  
January 2008                  Advanced Bloodstain Pattern Analysis, Tom Bevel, SCDL, AK (40 hours).  
April 2007                    3<sup>rd</sup> Annual Death Investigation Seminar, Franc Fallico, Anchorage, AK (4 hours).  
August 2007                  Basic Bloodstain Pattern Analysis School, Tom Bevel, SCDL, AK (25 hours).  
March 2005                   Death Investigation, Kathy Day, MEO, Anchorage, AK (4 hours).  
April 2003                    Arson Evidence, Donald Cuthbert, Anchorage, AK (4 hours).  
January 2003                  Forensic Digital Imaging, Imaging Forensics, George Reis, Anchorage, AK (24 hours).  
September 2002              Bloodstain Pattern Analysis Workshop, Utah Bureau of Forensic Sciences, Kevin Patrick, SCDL, Alaska (40 hours).  
May 2008                      Vehicle Processing, SCDL, AK (8 hours)  
January 2002                  Crime Scene Investigations, Metropolitan Police Institute, Miami, Florida (40 hours).  
December 2002               Sexual Assault Evidence, SCDL, AK (8 hours).  
April 2001                    Video/Digital Imaging of Physical Evidence, SCDL, AK (4 hours)  
October 2000                  Photography of Physical Evidence, SCDL, AK (4 hours).  
May 2000                      Crime Scene Diagramming, SCDL, AK (4 hours).  
April 2000                    Video/Digital Imaging of Physical Evidence, SCDL, AK (4 hours).  
March 2000                   Blood Evidence Collection, SCDL, AK (8 hours).  
February 2000               Trace Evidence Collection, SCDL, AK (4 hours).  
January 2000                  Snow Impression Collection, SCDL, AK (4 hours).  
February 1999               Shoe and Tiretrack Evidence, SCDL, AK (4 hours).  
November 1999               Latent Fingerprint Techniques I, SCDL, AK (4 hours).  
October 1999                  Photography of Physical Evidence, SCDL, AK (4 hours).  
April 1999                    Blood Evidence Collection, Alaska State Crime Laboratory, Alaska Peace Officers Association/Northwest Association of Forensic Scientists, 1999 Crime Conference, Anchorage, Alaska (4 hours).

**Other**

July 2008                      Courtroom Testimony Techniques, Ron Smith & Associates, INC., Anch., AK (16 hrs)  
January 2008                  Performance Appraisal – The Basics, Kimberly Gialopsos, Anchorage, AK (7.5 hours)  
October 2007                  Performance Coaching, Timothy Parker, Anchorage, AK (7.5 hours)  
October 2007                  Academy for Supervisors, Timothy Parker, Anchorage, AK (30 hours).  
April 2003                    in “Winning Courtroom Confrontations: A Seminar on How to be an Effective Witness the Courtroom,” by Valerie Van Brocklin, LawEnforcement Trainer, Anchorage, Alaska (8 hours).

**Courtroom Experience:**

List the discipline(s) in which you have qualified to testify as an expert witness and indicate over what period of time and approximately how many times you have testified in each.

DNA Analysis: November 2000 – present, 49 trials and 27 grand juries

**Professional Affiliations:**

List any professional organizations of which you are or have been a member. Indicate any offices or other positions held and the date(s) of these activities.

None

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**Employment History:** List all scientific or technical positions held, particularly those related to forensic sciences. List current position first. Give a brief summary of principal duties and tenure in each position.

- (1) Job Title: Forensic Scientist III  
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, AK  
Principal Duties: Perform DNA analysis on forensic casework. Perform scientific techniques in the identification of body fluids, i.e., blood and semen.  
Tenure: 02/08-present
- (2) Job Title: Criminalist III  
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, AK  
Principal Duties: Perform DNA analysis on forensic casework. Perform scientific techniques in the identification of body fluids, i.e., blood and semen.  
Tenure: 02/04-present
- (3) Job Title: Criminalist II  
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, AK  
Principal Duties: Perform DNA analysis on forensic casework. Perform scientific techniques in the identification of body fluids, i.e., blood and semen.  
Tenure: 02/02-02/04
- (4) Job Title: Criminalist I  
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, AK  
Principal Duties: Perform DNA analysis on forensic casework. Perform scientific techniques in the identification of body fluids, i.e., blood and semen.  
Tenure: 11/00-02/02
- (5) Job Title: Laboratory Technician I  
Employer: Alaska Department of Public Safety Scientific Crime Detection Laboratory, Anchorage, AK  
Principal Duties: Evidence custodian, assist in areas of criminalistics.  
Tenure: 09/99-11/00
- (6) Job Title: Internship  
Employer: Santa Clara County District Attorney's Laboratory, Santa Clara, CA  
Principal Duties: Research project studying DNA extraction methods.  
Tenure: 4/97-7/97

**Other Qualifications:** List below any scientific publication and/or presentation you have authored or co-authored, research in which you are or have been involved, academic or other teaching positions you have held, and any other information which you consider relevant to your qualification as a forensic scientist.

**Law Enforcement Training:**

- 11/12/02: DNA Evidence, Scientific Crime Detection Lab, Anchorage, Alaska (4 hours)
- 03/03/03: DNA Overview, SART Training, Bethel, Alaska (1 hour)
- 05/09/03: DNA Overview, SART Training, Sitka, Alaska (1 hour)
- 04/16/08: DNA & Trace Evidence Collection, AST Basic CSI Course, Dillingham (4 hours)

05/15/08: DNA & Trace Evidence Collection, AST Basic CSI Course, Bethel (6 hours)  
05/20/08: DNA & Trace Evidence Collection, AST Basic CSI Course, Bethel (6 hours)  
06/04/08: DNA & Trace Evidence Collection, AST Basic CSI Course, Kodiak (6 hours)  
10/14/08: DNA & Trace Evidence Collection, AST Basic CSI Course, Anchorage (6 hours)